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**(12) United States Plant Patent
Kleinwee****(10) Patent No.: US PP32,175 P2
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- (54) **PETUNIA PLANT NAMED ‘PEHY0047’**
- (50) Latin Name: *Petunia hybrida*
Varietal Denomination: **PEHY0047**
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- (73) Assignee: **Syngenta Crop Protection AG**, Basel (CH)
- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 66 days.
- (21) Appl. No.: **16/501,540**
- (22) Filed: **Apr. 26, 2019**
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A01H 5/02 (2018.01)
A01H 6/82 (2018.01)
- (52) **U.S. Cl.**
USPC **Plt./356.13**
CPC *A01H 6/82* (2018.05)

- (58) **Field of Classification Search**
USPC Plt./356.13
CPC *A01H 5/02*
See application file for complete search history.

(56) References Cited

PUBLICATIONS

GTITM UPOVROM Plant Variety Database Citation for ‘Pehy0047’ as per QZ PBR 20191119; Aug. 16, 2019; 1 page.*
GTITM UPOVROM Plant Variety Database Citation for ‘Pehy0047’ as per CA PBR 19-9995; Nov. 1, 2019; 1 page.*

* cited by examiner

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(57) ABSTRACT

A new *Petunia* plant named ‘PEHY0047’ particularly distinguished by its rather big sized, pink flower color with dark pink star pattern, medium to late flowering and a trailing plant habit.

1 Drawing Sheet**1**

Latin name of the genus and species of the plant claimed:
Petunia hybrida.

Varietal denomination: ‘PEHY0047’.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new *Petunia*, botanically known as *Petunia hybrida*, and hereinafter referred to by the variety name ‘PEHY0047’.

‘PEHY0047’ is a product of a planned breeding program. The new cultivar has rather big sized, pink flower color with dark pink star pattern, medium to late flowering and a trailing plant habit

‘PEHY0047’ originated from a hybridization made in October 2015 in a controlled breeding environment in Enkhuizen, The Netherlands. The female parent was the proprietary line ‘BA0089-2’ (not patented). Compared to ‘PEHY0047’, it has a more upright plant habit, less vigor, is earlier, has a smaller flower and has a deep salmon flower color and has no bicolor flower.

The male parent of ‘PEHY0047’ was the unpatented proprietary line ‘BA0391-2’, a plant with a bit more upright plant habit, earlier flowering and a white flower color.

The resulting seeds were sown in January 2016. ‘PEHY0047’ was selected as one flowering plant within the progeny of the stated cross in May 2016 in a controlled environment in Enkhuizen, The Netherlands.

The first act of asexual reproduction of ‘PEHY0047’ was accomplished when vegetative cuttings were propagated from the initial selection in June 2016 in a controlled environment in Enkhuizen, The Netherlands.

BRIEF SUMMARY OF INVENTION

Horticultural examination of plants grown from cuttings of the plant initiated in June 2016 and continuing thereafter,

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has demonstrated that the combination of characteristics as herein disclosed for ‘PEHY0047’ are firmly fixed and are retained through successive generations of asexual reproduction.

5 ‘PEHY0047’ has not been observed under all possible environmental conditions. The phenotype may vary significantly with variations in environment such as temperature, light intensity, and day length.

10 ‘PEHY0047’ has not been made publicly available prior to the effective filing date of this application, notwithstanding any disclosure that may have been made less than one year prior to the effective filing date of this application by the inventor or another who obtained ‘PEHY0047’ directly from the inventor.

15 The following traits have been repeatedly observed and are determined to be basic characteristics of the new variety. The combination of these characteristics distinguishes this *Petunia* as a new and distinct variety.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

20 The accompanying photographic drawings show typical flower and foliage characteristics of ‘PEHY0047’ with colors being as true as possible with an illustration of this type. The photographic drawing shows in FIG. 1 a flowering plant of the new variety and in FIG. 2 a close-up of the flowers.

DETAILED BOTANICAL DESCRIPTION

30 The aforementioned photographs were taken in April 2018 from plants in 12 cm pots from an indoor trial in Andijk, The Netherlands. These plants were approximately 11 weeks of age.

The plant descriptions and measurements were taken in September 2018 in Andijk, The Netherlands on approximately 20 week old plants that were growing in containers.

Color references are made to The Royal Horticultural Society Colour Chart (R.H.S.) 2001.

TABLE 1

DIFFERENCES BETWEEN THE NEW VARIETY 'PEHY0047' AND A SIMILAR VARIETY		
	'PEHY0047'	'PEHY0004' (U.S. Plant Pat. No. 23,432)
Leaf color:	Green	More dark, greyish green
Branching:	Rather poor branching	Good branching
Flower size:	Big	Rather small

Plant:

Form, growth and habit.—Trailing plant habit.

Plant height.—25 cm.

Plant height (inflorescence included).—32 cm.

Plant diameter (width).—+/-55 cm.

Roots:

Number of days to initiate and produce roots.—16 days at about 22° C.

Type.—Fine, fibrous, free branching.

Color.—RHS N158D.

Foliage:

Arrangement.—Alternate, simple; sometimes opposite, decussate.

Immature leaf, color upper surface.—RHS 147A.

Immature leaf, color lower surface.—RHS 147B.

Mature leaf, color upper surface.—RHS 147A.

Mature leaf, color lower surface.—RHS 147B.

Length.—3-4 cm.

Width.—2.5 cm.

Shape.—Ovate.

Base shape.—Shortly attenuate.

Apex shape.—Acute.

Margin.—Entire.

Texture, upper surface.—Densely covered with short hairs.

Lower surface.—Densely covered with short hairs.

Color of veins, upper surface.—RHS 146B.

Color of veins, lower surface.—RHS 146B.

Petiole color.—RHS 146B.

Length.—0.3 cm.

Diameter.—0.3 cm.

Petiole texture.—Densely covered with short hairs.

Stem:

Quantity of main branches per plant.—4-5.

Color of stem.—RHS 146C.

Length of stem.—35 cm.

Diameter.—0.4 cm.

Length of internodes.—3.5-5 cm.

Texture.—Dense, mostly glandular short hairs.

Color of pedicel.—RHS 146C.

Length of pedicel.—1.6 cm.

Diameter of pedicel.—0.3 cm.

Texture of pedicel.—Densely covered with short hairs.

Inflorescence:

Type.—Flowers solitary in upper leaf axis.

Floret type.—Funnel-shaped; 5 lobed petals; fused at base.

Blooming habit.—Medium to late flowering in greenhouse, flowering throughout the summer months.

Quantity of inflorescences per plant.—Approximately 25.

Lastingness of individual blooms on the plant.—About 7 days.

Fragrance.—Almost no scent.

Bud (just when opening):

Color.—RHS 59A, more greenish, RHS 146D towards base.

Length.—3.5 cm.

Width.—0.7 cm.

Shape.—Oblong.

Immature inflorescence:

Flower horizontal diameter.—7 cm.

Color petals, upper surface.—RHS N74D with stripes RHS 67A to RHS 67B.

Color petals, lower surface.—RHS 75A, stripes RHS 68A with veins RHS 146D.

Mature flower:

Flower horizontal diameter.—6 cm.

Flower height (vertical).—2.5-3.5 cm.

Color upper surface.—RHS N74D with stripes RHS 67C.

Color lower surface.—RHS 75B, stripes RHS 68A with veins RHS 146D.

Conspicuousness of veins.—

Apex shape.—Cuspidate.

Margin.—Entire.

Waviness of margin.—Hardly.

Petal lobation.—Rather strong.

Petal texture, upper surface.—Smooth, occasionally a small hair present.

Petal texture, lower surface.—Some glandular hairs, more dense on veins.

Corolla tube color outside.—RHS 65B with veins RHS 59A.

Corolla tube color inside.—RHS 75D; longitudinal stripes RHS 59A.

Conspicuousness of veins in tube.—Very strong.

Corolla tube length.—2.0 cm.

Corolla tube texture, outside.—Rather dense and short glandular hairs.

Corolla tube texture, inside.—Glabrous.

Calyx:

Color of sepal, upper surface.—RHS 146A.

Color of sepal, lower surface.—RHS 146A.

Length.—2.0 cm.

Width.—0.6 cm.

Shape.—Oblanceolate.

Apex shape.—Rounded to acute.

Base.—Fused.

Margins.—Entire.

Texture, upper surface.—Densely covered with short glandular hairs.

Lower surface.—Densely covered with short glandular hairs.

Reproductive organs:

Pistil.—1.

Length.—2.0 cm.

Style color.—RHS 144D.

Style length.—1.7 cm.

Stigma color.—RHS 144B.

Stamens.—

Quantity per flower.—5.

Color of filaments.—RHS 155A, some spots RHS 60A near stigma.

Length filaments.—1.7 cm.
Anther color.—RHS 19D.
Anther length.—0.2 cm.
Anther shape.—Elliptical.
Color of pollen.—RHS 158D.
Pollen amount.—Abundant.
Fertility/seed set.—Has not been observed on this hybrid.

Disease/pest resistance.—Has not been observed on this hybrid.

What is claimed is:

5 1. A new and distinct variety of *Petunia* plant named 'PEHY0047' substantially as illustrated and described herein.

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FIG. 1

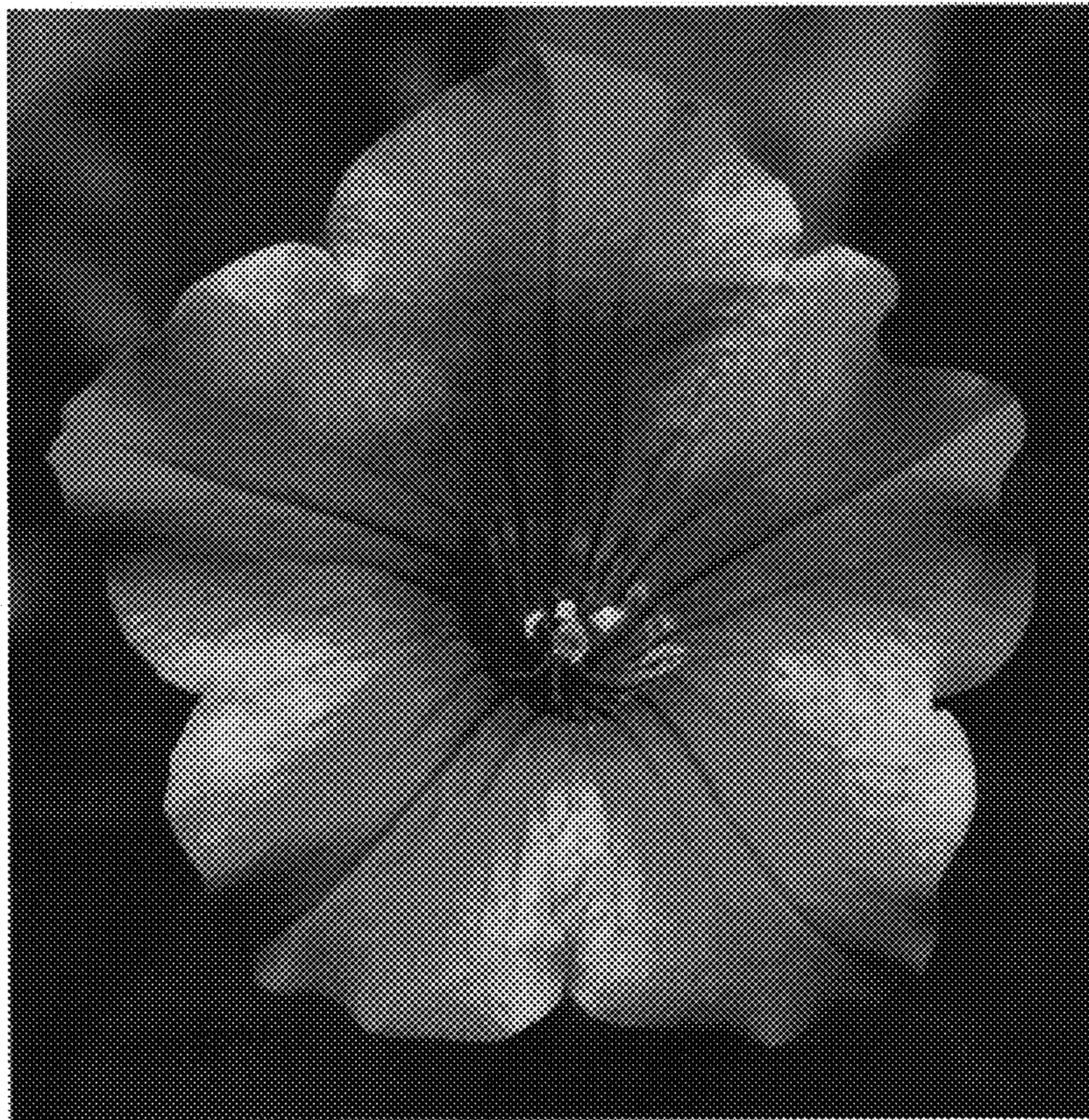


FIG. 2